

FIG. 1

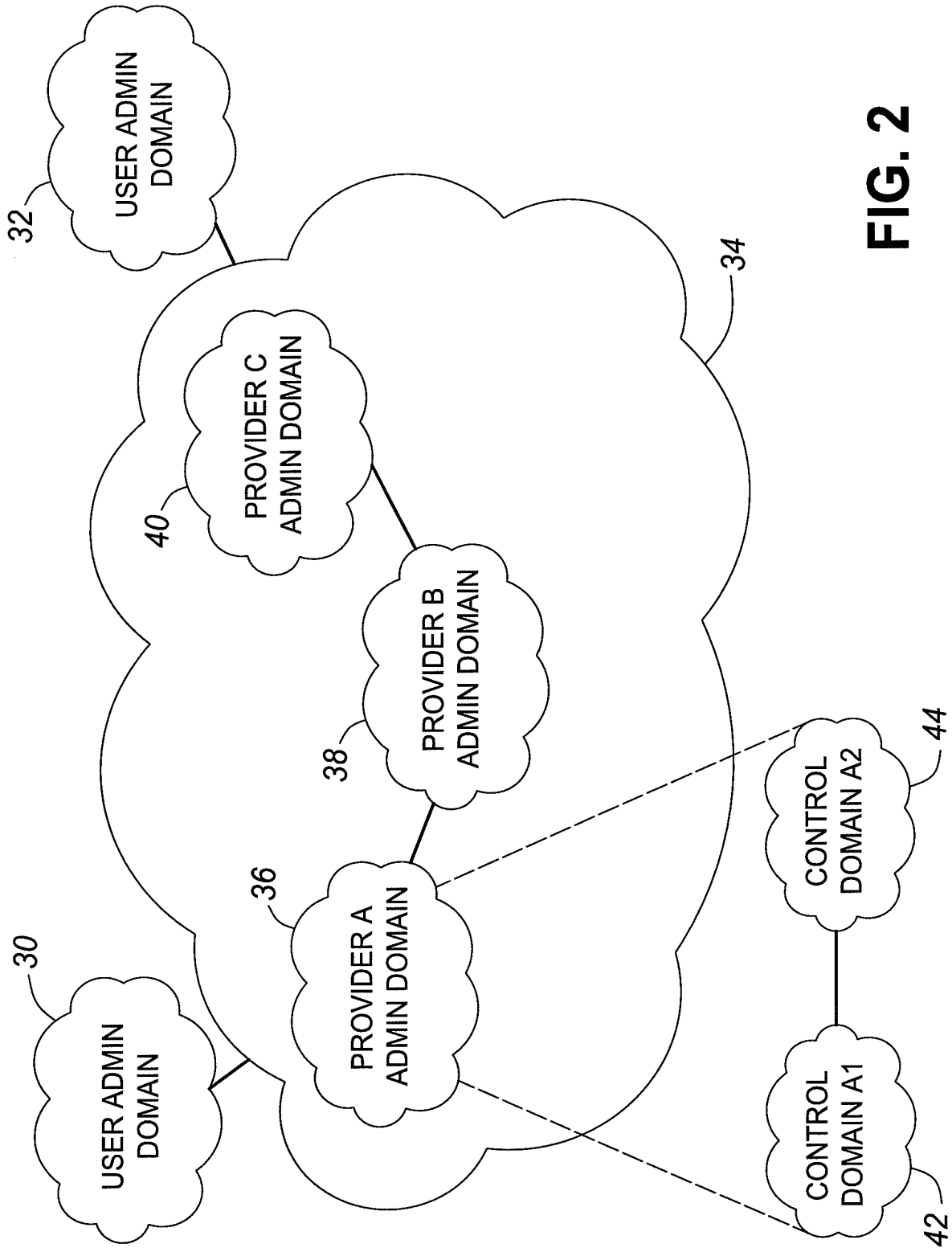


FIG. 2

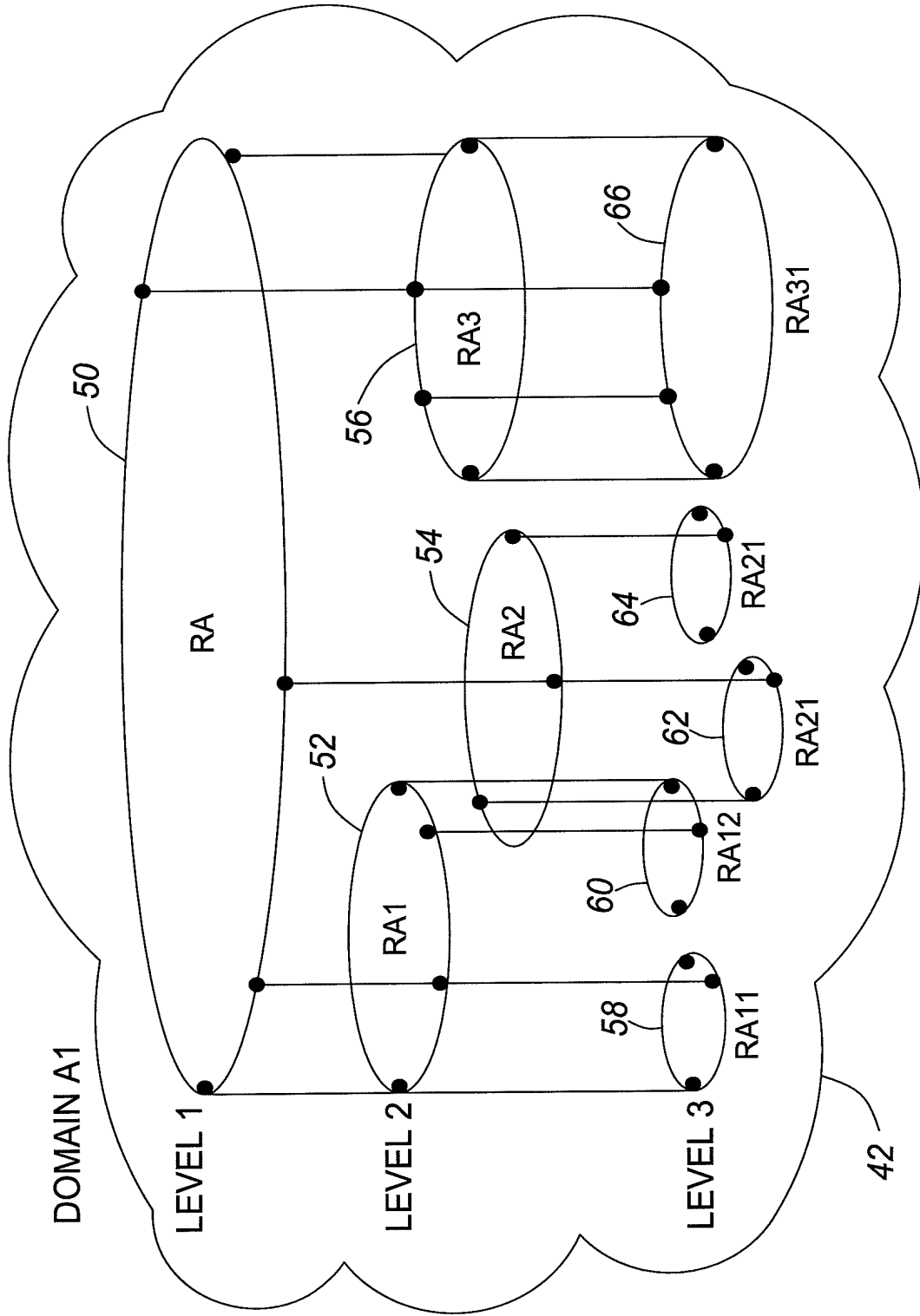
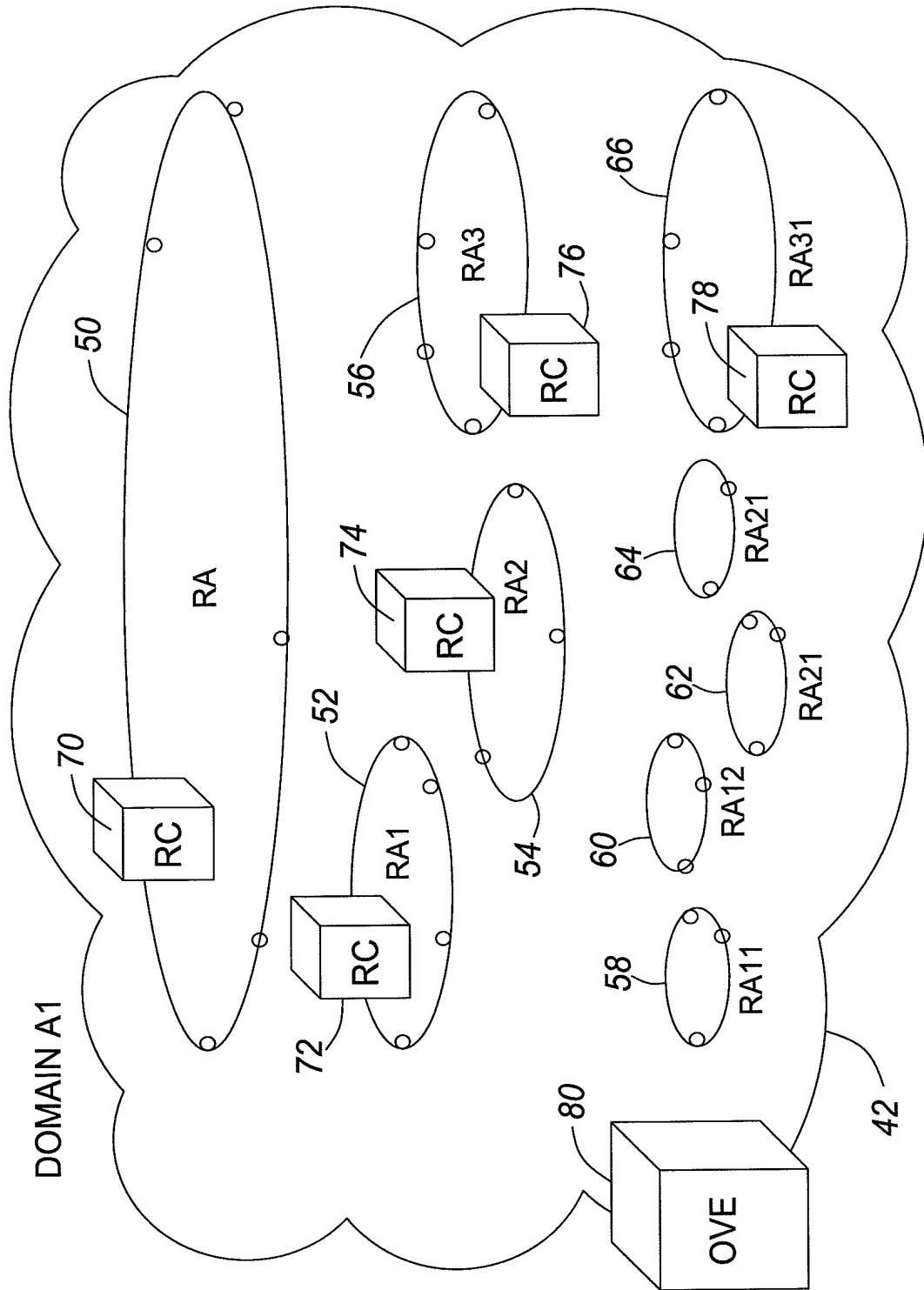
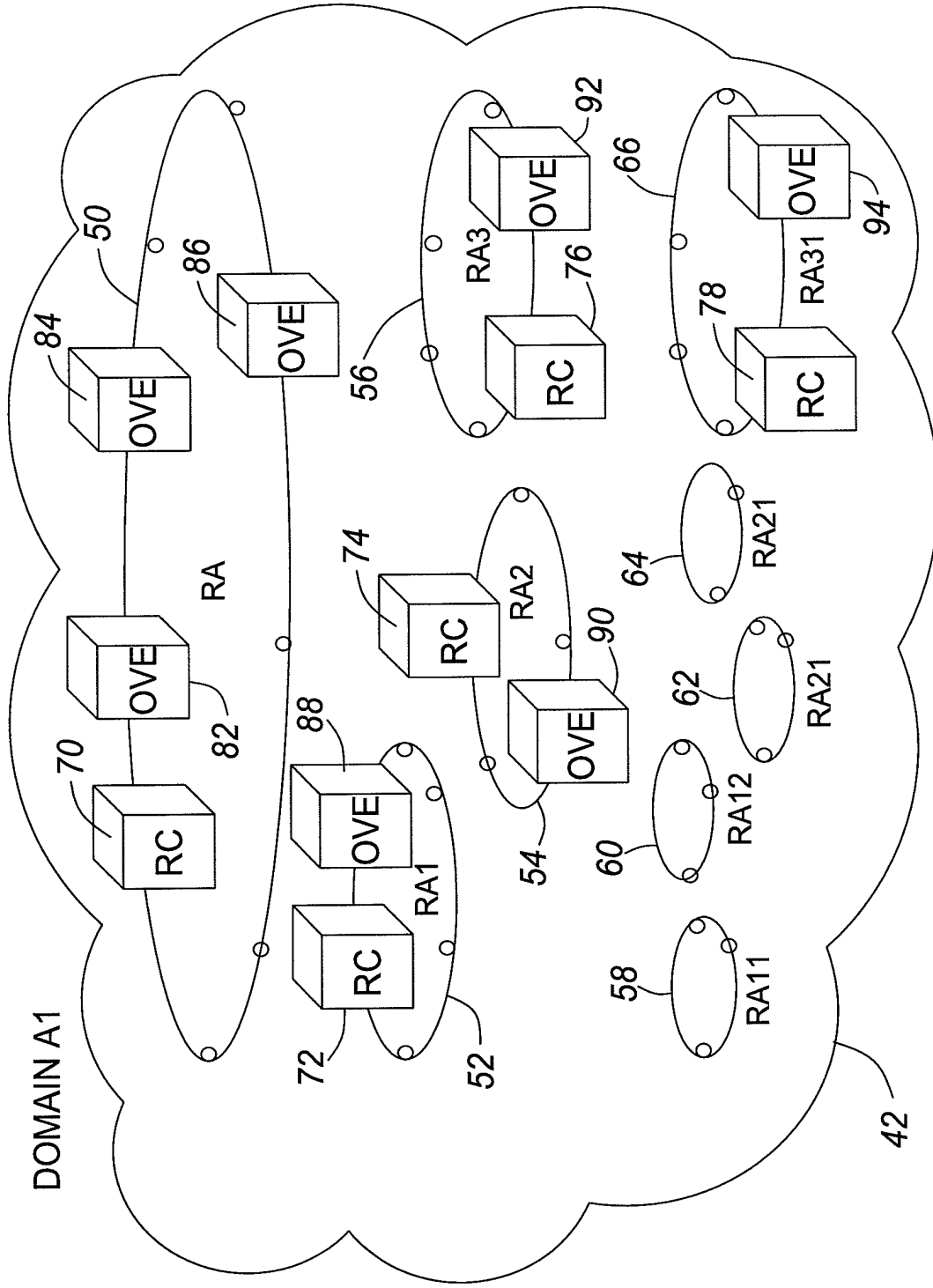


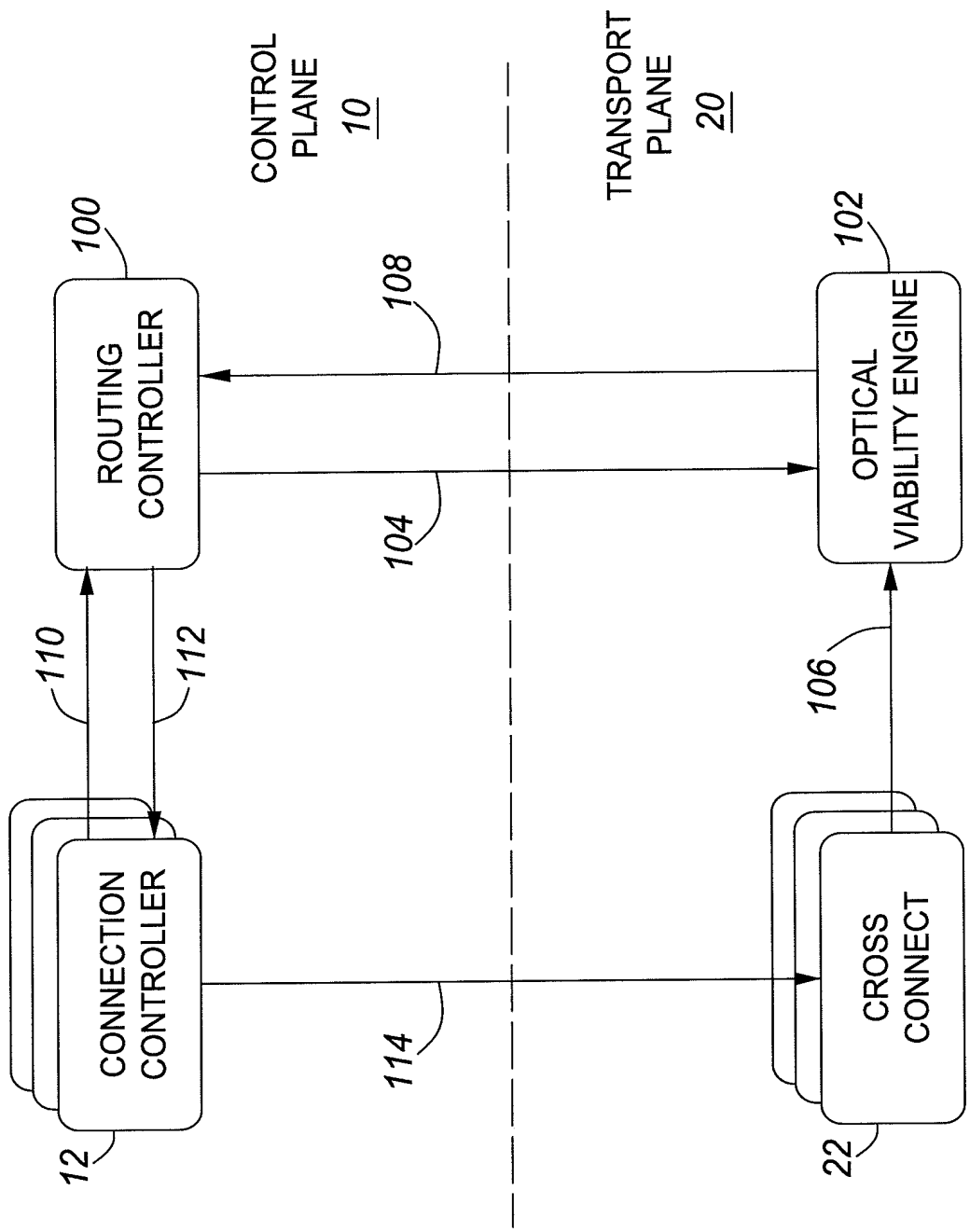
FIG. 3



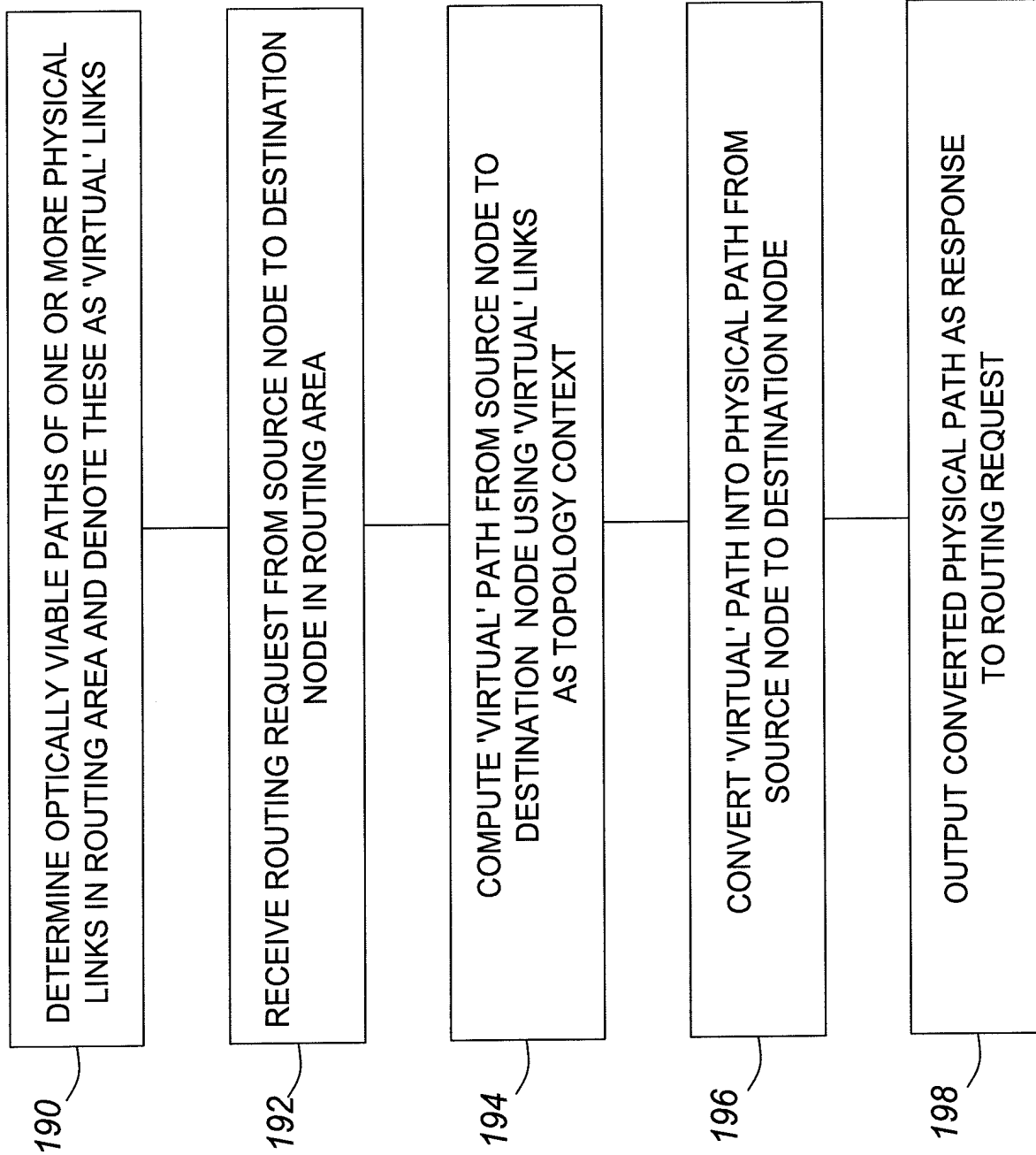
**FIG. 4**



**FIG. 5**



**FIG. 6**



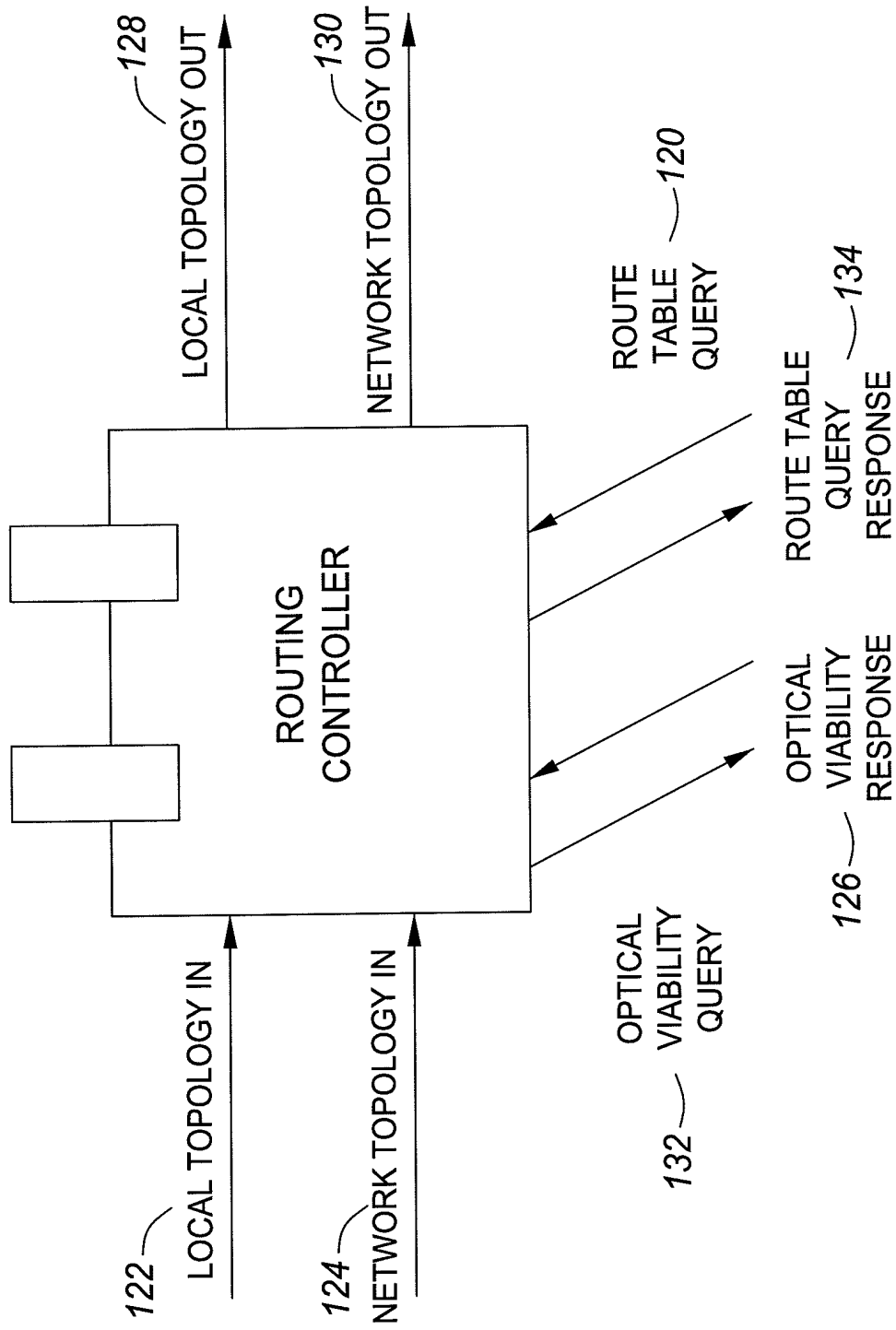
**FIG. 7**

INPUT INTERFACE	BASIC INPUT PARAMETERS	BASIC RETURN PARAMETERS
120 ROUTE TABLE QUERY	UNRESOLVED ROUTE ELEMENT	ORDERED LIST OF SNPPs
122 LOCAL TOPOLOGY IN	LOCAL TOPOLOGY UPDATE	—
124 NETWORK TOPOLOGY IN	NETWORK TOPOLOGY UPDATE	
126 OPTICAL VIABILITY RESPONSE	YES OR NO	—

OUTPUT INTERFACE	BASIC OUTPUT PARAMETERS	BASIC RETURN PARAMETERS
128 LOCAL TOPOLOGY OUT	LOCAL TOPOLOGY UPDATE	—
130 NETWORK TOPOLOGY OUT	NETWORK TOPOLOGY UPDATE	—
132 OPTICAL VIABILITY QUERY	ORDERED LIST OF SNPPs	—

FIG. 8





**FIG. 9**

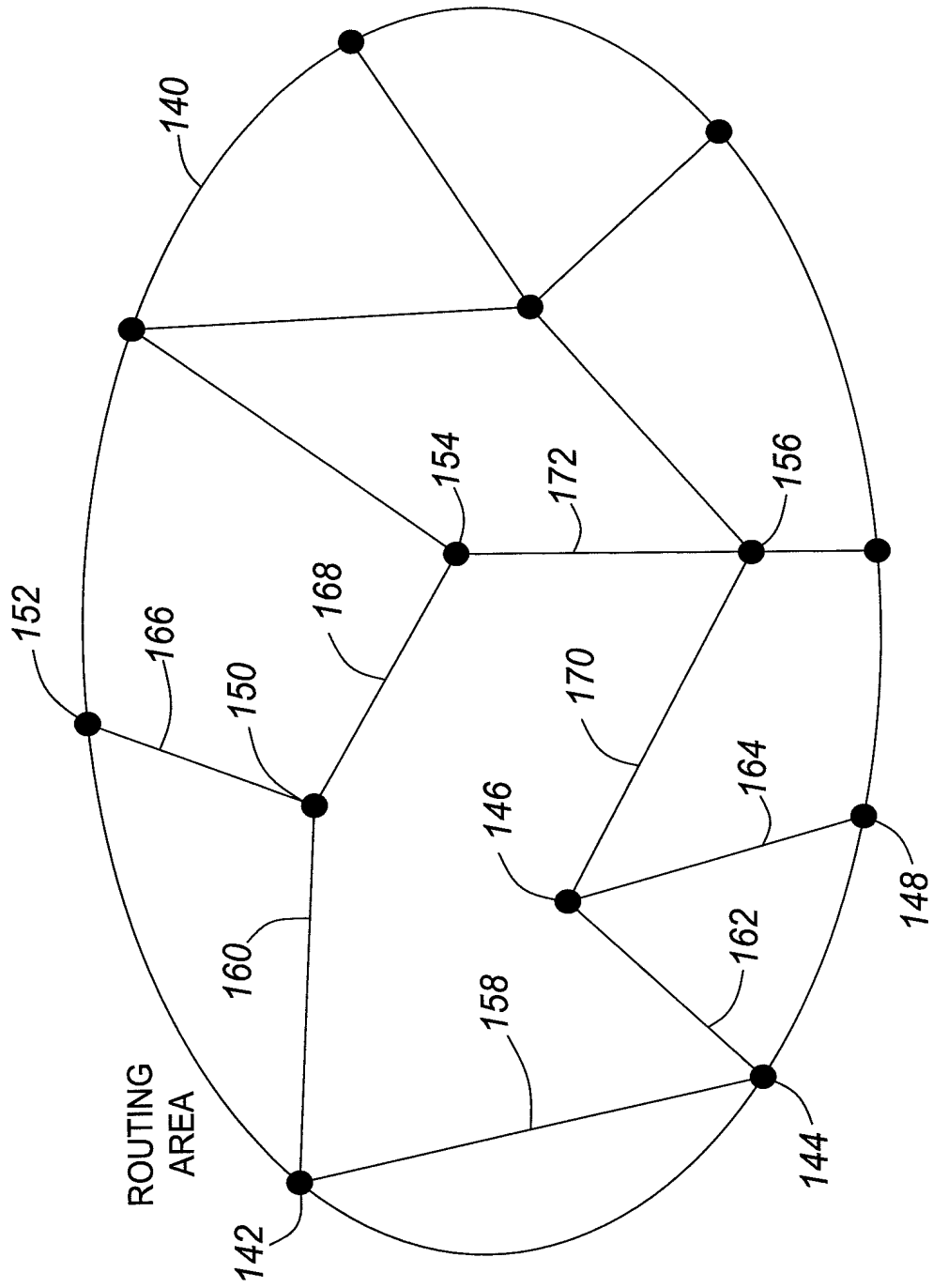


FIG. 10

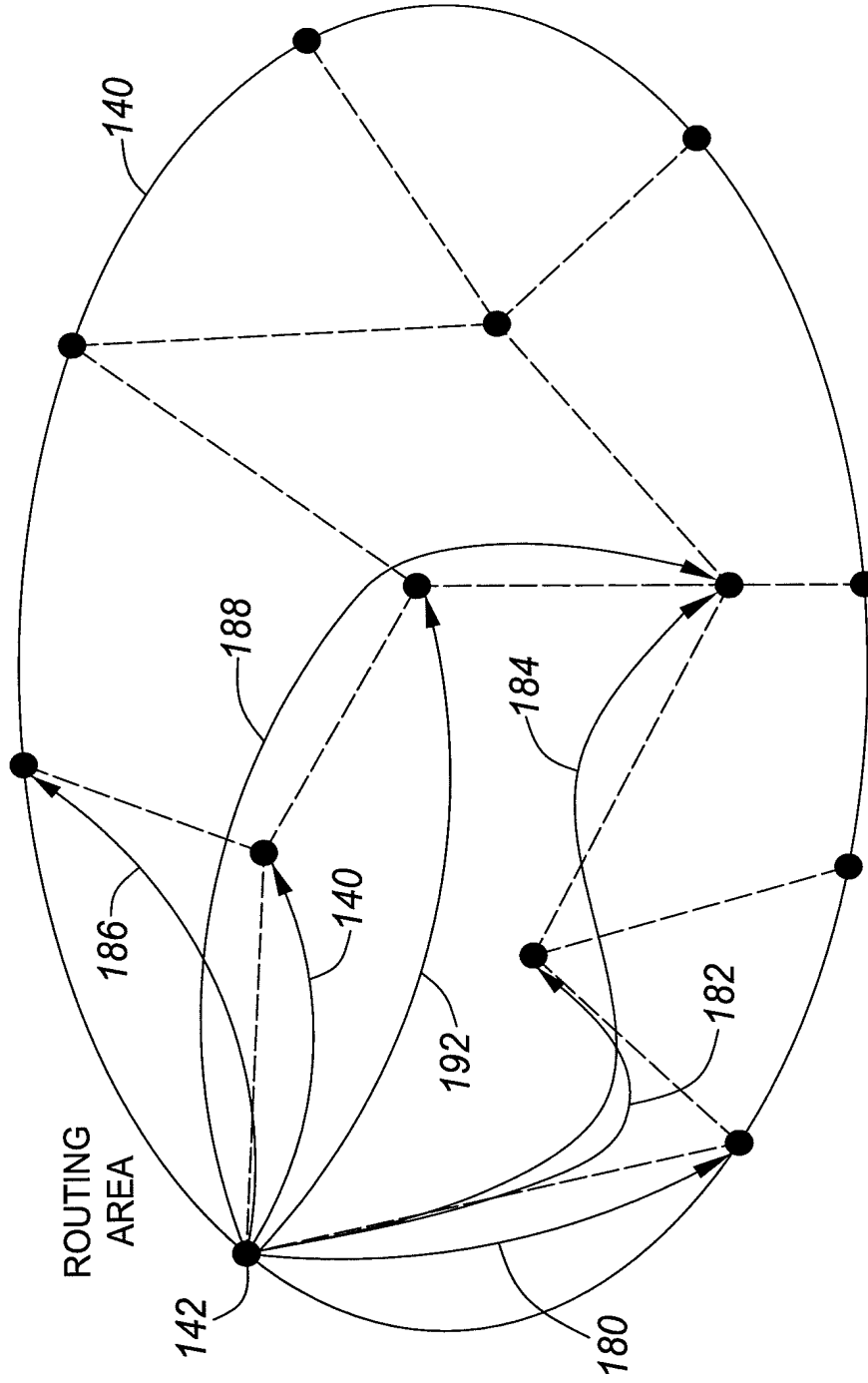


FIG. 11